

Fish Habitat Requirements (non-resource extraction related) (as of 1/00)

Csepp, David J., B. L. Wing. 2000. Northern range extensions and habitat observations for blackeye goby *Rhinogobiops nicholsii* and kelp perch *Brachyistius frenatus* in southeastern Alaska. Alaska Fishery Research Bulletin 6(2): 78-84.

Moles, Adam and Kathleen Jensen. 2000. Prevalence of the sockeye salmon brain parasite *Myxobolus arcticus* in selected Alaska streams. Alaska Fisheries Research Bulletin. 62(2): 85-93.

Moles, Adam. 2000. A simple approach for selecting groundfish HAPC's. Proceedings of the Eleventh Annual Western Groundfish Conference, Alaska Department of Fish and Game, Sitka, Alaska.

Thedinga, J. F., A. C. Wertheimer, R. A. Heintz, J. M. Maselko, and S.D. Rice. In Press. Effects of Stock, tagging, and transport, on straying of pink salmon in southeast Alaska. Can. J. Fish. Aquat. Sci.

Murphy, M. L., and S. W. Johnson. 1999. Distribution of Salmon in Relation to Eelgrass during Seaward Migration. Proceedings of the 19th Northeast Pacific Pink and Chum Salmon Workshop, Juneau, AK, March 3-5, 1999.

Thedinga, J. F. and S. W. Johnson. 1999. Age and marine survival of ocean-type chinook salmon (*Oncorhynchus tshawytscha*) from the Situk River, Alaska. Alaska Fishery Research Bulletin. 5(2): 143-148.

Millstein, J. 1998. Observations of skin sloughing in the crested sculpin (*Blepsias bilobus*). Copeia 1998(3): 743-745.

Moles, Adam and Jonathan Heifetz. 1998. Effects of the brain parasite *Myxobolus arcticus* (Protozoa, Myxozoa) on sockeye salmon. Journal of Fish Biology 52 (1): 146-151

Moles, Adam, Jonathan Heifetz, and David C. Love. 1998. Metazoan parasites as potential markers for selected Gulf of Alaska rockfishes. Fishery Bulletin (U.S.) 96(4): 912-916.

Murphy, M. L. 1998. Primary Production in R. E. Bilby and R. J. Naiman (editors) River Ecology and Management: Lessons from the Pacific Coastal Ecoregion. Springer-Verlag.

Murphy, M.L., K.V. Koski, J.M. Lorenz, and J.F. Thedinga. 1997. Downstream migrations of juvenile Pacific salmon (*Oncorhynchus* spp.) in a glacial transboundary river. Canadian Journal of Fisheries and Aquatic Sciences 54: 2837-2846.

Pella, Jerome, Michele Masuda, Charles Guthrie III, Christine Kondzela, Anthony Gharrett, Adam Moles, and Gary Winans. 1998. Stock Composition of some sockeye salmon, *Oncorhynchus nerka*, catches in southeast Alaska, based on incidence of allozyme

variants, freshwater ages, and a brain-tissue parasite. NOAA Technical Report NMFS 132.

Urawa, Shigehiko, K. Nagasawa, Leo Margolis, and Adam Moles. 1998. Stock identification of chinook salmon (*Oncorhynchus tshawytscha*) in the North Pacific Ocean and Bering Sea by parasites tags. North Pacific Anadramous Fish Commission Bulletin 1: 199-204.

Love, D. C., A. Moles and R. E. Thomas. 1997. Bitter Crab Hemolymph Studies: Indications of Host Physiological Condition. pg. 549-562 In: Proceedings of the International Symposium on Biology, Management, and Economics of Crabs from High Latitude Waters

Moles, A., S. Korn, and S. Rice. 1997. Effects of low winter temperatures and starvation on resistance to stress in presmolt coho salmon. American Fisheries Society Symposium 19:148-154.

Moles, Adam. 1997. Effect of bacterial kidney disease on saltwater adaptation of coho salmon smolts. Journal of Aquatic Animal Health 9: 230-233.

Thedinga, John F., Adam Moles, and Jeffrey T. Fujioka. 1997. Mark retention and growth of jet-injected juvenile marine fish. Fishery Bulletin 95: 629-633

Moles, A. 1996. Effect of bacterial kidney disease on saltwater adaptation in coho salmon smolts. Pages 117-123 In Physiology of Migratory Fish. Proceedings of the International Congress on the Biology of Fishes. San Francisco State University.

O'Clair, C. E., T. C. Shirley and S. J. Taggart. 1996. Dispersion of adult *Cancer magister* at Glacier Bay, Alaska: variation with spatial scale, sex and reproductive status. Pages 209-227 In High Latitude Crabs: Biology, Management, and Economics. Alaska Sea Grant College Program Report No. 96-02, University of Alaska Fairbanks.

Schultz D. A., T. C. Shirley, C. E. O'Clair, and S. J. Taggart. 1996. Activity and feeding of ovigerous Dungeness crabs in Glacier Bay, Alaska. Pages 411-424 In High Latitude Crabs: Biology, Management, and Economics. Alaska Sea Grant College Program Report No. 96-02, University of Alaska Fairbanks.

Shirley, T. C., C. E. O'Clair, S. J. Taggart and J. Bodkin. 1996. Sea otter predation on Dungeness crabs in Glacier Bay, Alaska. Pages 563-576 In High Latitude Crabs: Biology, Management, and Economics. Alaska Sea Grant College Program Report No. 96-02, University of Alaska Fairbanks.

Carls, M. G., and C. E. O'Clair. 1995. Responses of Tanner Crabs, *Chionoecetes bairdi*, exposed to cold air. Fish. Bull. 93:44-56.

Leder, E. H., T. C. Shirley and C. E. O'Clair. 1995. Male size and female reproduction in

Dungeness crab in Glacier Bay, Alaska. In D.R. Engstrom ed., Proceedings of the Third Glacier Bay Science Symposium, 1993. U.S. Department of the Interior, National Park Service, Alaska Regional Office, Anchorage, Alaska. p 203-208.

Moles, A. 1995. Sediment preference in juvenile Pacific flatfishes. Nether. J. Sea Res. 32: 361-367.

O'Clair, C. E., J. L. Freese, R. P. Stone, T. C. Shirley, E. H. Leder, S. J. Taggart and G. H. Kruse. 1995. Nearshore distribution and abundance of Dungeness crabs in Glacier Bay National Park, Alaska. In D.R. Engstrom ed., Proceedings of the Third Glacier Bay Science Symposium, 1993. U.S. Department of the Interior, National Park Service, Alaska Regional Office, Anchorage, Alaska. p 196-202

Thedinga J. F. and S. W. Johnson. 1995. Retention of jet-injected marks on juvenile coho and sockeye salmon. Trans. Amer. Fish. Soc. 124:782-785.

Wing, B. L. and A. Moles. 1995. Behavior of *Rocinela angustata* (Isopoda, Aegidae), an ectoparasite of Alaskan marine fishes. J. Aquat. Animal Health 7: 34-37.

Johnson, S. W., J. F. Thedinga, and A. S. Feldhausen. 1994. Juvenile salmonid densities and habitat use in the main-stem Situk River, Alaska, and potential effects of glacial flooding. NORTHWEST SCIENCE 68:284-293.

Rice, S., R. Thomas, and A. Moles. 1994. Physiological and growth differences in three stocks of underyearling sockeye salmon (*Oncorhynchus nerka*) on early entry into seawater. Can. J. Fish. and Aquat. Sci. 51:974-980.

Thedinga, J. F., M. L. Murphy, S. W. Johnson, J. M. Lorenz, and K V. Koski. 1994. Determination of salmonid smolt yield with rotary-screw traps in the Situk River, Alaska, to predict effects of glacial flooding. N. Amer. J. Fish. Mgmt. 14:837-851.

Love, D.C., S.D. Rice, D.A. Moles, and W.D. Eaton. 1993. Seasonal prevalence and intensity of Bitter Crab dinoflagellate infection and host mortality in Alaskan Tanner crabs *Chinoecetes bairdi* from Auke Bay, Alaska, USA. Dis. Aquat. Org. 15:33-46.

Shirley, T. C., D. A. Woodby, Shijie Zhou and C. E. O'Clair. 1993. Population estimation of red king crabs in a fjord in southeast Alaska: a comparison of methods. P. 46 in American Fisheries Society, 123rd Annual Meeting, (Abstract).

Stone, Robert P., C. E. O'Clair and T. C. Shirley. 1993. Aggregating behavior of ovigerous female red king crabs, *Paralithodes camtschaticus*, in Auke Bay, Alaska. Can. J. Fisheries Aquat. Sci. 50(4):750-758.

Johnson, S. W., J. F. Thedinga, and K V. Koski. 1992. Life history of juvenile ocean-type chinook salmon (*Oncorhynchus tshawytscha*) in the Situk River, Alaska. Can. J. Fish.

Aquat. Sci. 49:2621-2629.

- Kennish, J.M., J.L. Sharp-Dahl, K.A. Chambers, W.J. Whipple, and S.D. Rice. 1992. Differences in lipid, fatty acid composition, and cholesterol levels among tissues and among stocks for pen-reared chinook salmon *Oncorhynchus tshawytscha* fed on a commercial diet. In Seafood Science and Technology (Edited by G. Bligh), pp. 46-57. Fishing News Books, Blackwell Scientific Publication Limited, Oxford, England, Chapter 6.
- Kennish, J.M., J.L. Sharp-Dahl, K.A. Chambers, F. Thrower, S.D. Rice. 1992. The effect of a herring diet on lipid composition and cholesterol levels in the muscle tissue of pen-reared chinook salmon *Oncorhynchus tshawytscha*. Aquaculture 103:309-322.
- Murphy, M. L., J. F. Thedinga, K V. Koski, S. W. Johnson, and J. M. Lorenz. 1992. Partitioning salmon smolt yield in the Situk River, Alaska, to predict effects of glacial flooding. In Idaho Water Resources Research Institute (eds.), Salmon management in the 21st century: recovering stocks in decline. Proceedings of the 1992 Northeast Pacific Workshop, Boise, ID, 28-30 September, 1992. Pp. 83-89.
- Stone, R. P., C. E. O'Clair and T. C. Shirley. 1992. Seasonal migration and distribution of female red king crabs in a southeast Alaskan estuary. J. Crust. Biol. 12(4):546-560.
- Thomas, R.E., and S.D. Rice. 1992. Salinity tolerance of adult and juvenile Red King Crab *Paralithodes camtschatica*. Comp. Biochem. Physiol. 103(A):433-437.
- Lorenz, J. M., M. L. Murphy, J. F. Thedinga, and K V. Koski. 1991. Distribution and abundance of juvenile salmon in two main channel habitats of the Taku River, Alaska and British Columbia. U.S. Dept. Commer., NOAA Tech. Memo. NMFS F/NWC-206. 16 p.
- Murphy, M. L., J. M. Lorenz, and K V. Koski. 1991. Population estimates of juvenile salmon downstream migrants in the Taku River, Alaska. U.S. Dep. Commer., NOAA Tech. Memo. NMFS F/NWC-203. 27 p.
- Tarbox, K., A. Moles, and D. Waltmeyer. 1991. Presence of parasites in sockeye salmon of Upper Cook Inlet, Alaska. Alaska Dept. Fish and Game Regional Information Report 2S91-5.
- Thedinga, J. F., S. W. Johnson, K V. Koski, and A. S. Feldhausen. 1991. Downstream migration of juvenile salmonids in Old Situk River, southeast Alaska. U.S. Dep. Commer., NOAA Tech. Memo. NMFS F/NWC-199. 26 p.
- Brodersen, C. C., P. M. Rounds, and M. M. Babcock. 1990. Diet influences cannibalism in laboratory-held juvenile king crabs (*Paralithodes cantschatica*). Pp. 377-381 In: Proc. Int. Symp. King and Tanner Crabs, Anchorage, Alaska. Alaska Sea Grant College Program Report No. 90-94.

Carls, M. G., and C. E. O'Clair. 1990. Influence of cold air exposures on ovigerous Red King crabs (*Paralithodes camtschatica*) and Tanner crabs (*Chionoecetes bairdi*) and their offspring. pp. 329-343 In: Proc. Int. Symp. King and Tanner Crabs. Anchorage, Alaska. University of Alaska, Alaska Sea Grant College Program Report No. 90-94.

Freese, J. L. and M. M. Babcock. 1990. The utility of artificial substrate collection devices to determine time and location of red king crab (*Paralithodes camtschatica*) glaucothoe settling in Auke Bay, Alaska. Pp. 119-130 In: Proc. Int. Symp. King and Tanner Crabs, Anchorage, Alaska. Alaska Sea Grant College Program Report No. 90-94.

Moles, A. P. Rounds, and C. Kondzela. 1990. Use of the brain parasite *Myxobolus neurobius* in separating mixed stocks of sockeye salmon. Amer. Fish. Soc. Symp. 7: 224-231.

O'Clair, C. E., R. P. Stone and J. L. Freese. 1990. Movements and habitat use of Dungeness crabs and the Glacier Bay Fishery. In: Milner, A. M. and J. D. Wood. Proceedings of the Second Glacier Bay Science Symposium: September 19-22, 1988. Gustavus, Alaska. U.S. Department of the Interior, National Park Service, Alaska Regional Office, Anchorage, Alaska. pp. 74-77.

Rice, S.D., and M.M. Babcock. 1990. Effects of habitat and environmental variables on red king crabs and settling of glaucothoe. In Proceedings of the Gulf of Alaska, Cook Inlet, and North Aleutian Basin Information Uptake Meeting, pp. 49-55. Outer Continental Shelf Environmental Assessment Program Study MMs 89-0041.

Rounds, P. M., C. Brodersen, and M. M. Babcock. 1990. Effects of cohort density and habitat on survival and growth of juvenile red king crab, *Paralithodes camtschatica*. Pp. 209-217 In: Proc. Int. Symp. King and Tanner Crabs, Anchorage, Alaska. Alaska Sea Grant College Program Report No. 90-94.

Shirley, T. C., S. M. Shirley, and S. Korn. 1990. Incubation period, molting, and growth of female red king crabs: effects of temperature. Pp. 51-63 In: Proc. Int. Symp. King and Tanner Crabs, Anchorage, Alaska. Alaska Sea Grant College Program Report No. 90-94.

Stone, R. P. and C. E. O'Clair. 1990. Seasonal migration of primiparous and multiparous female red king crabs (*Paralithodes camtschatica*). Pp. 189-191 In: Proc. Int. Symp. King and Tanner Crabs. Anchorage, Alaska. Alaska Sea Grant College Program Report No. 90-94.

Arasmith, P. J., C. C. Brodersen, and M. M. Babcock. 1989. Convenient method for maintaining small crabs in isolation. Prog. Fish Cult. 51: 243-246.

Heifetz, J., S. W. Johnson, K V. Koski, and M. L. Murphy. 1989. Migration timing, size, and salinity tolerance of sea-type sockeye salmon (*Oncorhynchus nerka*) in an Alaska estuary. Can. J. Fish. Aquat. Sci. 46:633-637.

Moles, A., P. Rounds, and S. Rice. 1989. Distribution of the brain parasite *Myxobolus* as

possible stock marker in sockeye salmon of central Alaska. Workshop on Stock Separation Methods, February 14-16, 1989, Anchorage, Alaska

Murphy, M. L., J. Heifetz, J. F. Thedinga, S. W. Johnson, and K V. Koski. 1989. Habitat utilization by juvenile Pacific salmon (*Oncorhynchus*) in the glacial Taku River, southeast Alaska. Can. J. Fish. Aquat. Sci. 46:1677-1685.

Johnson, S. W. and J. Heifetz. 1988. Osmoregulatory ability of wild coho salmon (*Oncorhynchus kisutch*) and Dolly Varden char (*Salvelinus malma*) smolts. Can. J. Fish. Aquat. Sci. 45:1487-1490.

Murphy, M. L., J. F. Thedinga, and K V. Koski. 1988. Size and diet of juvenile Pacific salmon during seaward migration through a small estuary in southeastern Alaska. Fish. Bull. 86:213-222.

Short,J.W. 1988, Evaluation of Fourier transformed infrared spectrophotometry as a method for separating stocks-preliminary study. In: G. Gunstrom (ed.) Southeast Alaska Regional Coho Salmon Program Review. Alaska Dept. of Fish and Game, Juneau, Ak.

Thedinga, J. F., K V. Koski, M. L. Murphy, J. Heifetz, S. W. Johnson, and C. R. Hawkes. 1988. Abundance and distribution of juvenile coho salmon (*Oncorhynchus kisutch*) in the lower Taku River, Alaska. In G. Gunstrom (editor), Southeast Alaska regional coho salmon program review. ADF&G, Divisions of Commercial and Sport Fish, Douglas, AK.

Heifetz, J., S. W. Johnson, K V. Koski, M. L. Murphy, and J. F. Thedinga. 1987. Abundance and distribution of juvenile sockeye salmon in the lower Taku River, Alaska. In G. Gunstrom (editor), Southeast Alaska inter-divisional sockeye salmon program review. ADF&G, Juneau, AK.

Moles, A. 1987. Distribution of the brain parasite, *Myxobolus neurobius*, in sockeye salmon in southeastern Alaska and use of the parasite for stock identification. Proceedings of the Southeast Alaska Interdivisional Sockeye Salmon Program Review. Commercial Fisheries Division, Alaska Dept. Fish and Game.

Murphy, M. L. 1987. Rearing densities and ecology of age-0 chinook salmon in the lower Taku River. In W. Heard (editor) Proceedings of the Alaska chinook salmon workshop, April 14-15, 1987, Juneau, AK.

Murphy, M. L., J. M. Lorenz, J. Heifetz, J. F. Thedinga, K V. Koski, and S. W. Johnson. 1987. The relationship between stream classification, fish, and habitat in Southeast Alaska. U.S. Dep. Agri., For. Ser., Wildl. Fish. Habitat Mgmt. Notes. R-10-MB-10. 63 p.

O'Clair, C. E. and S. T. Zimmerman. 1987. Biogeography and ecology of intertidal and shallow subtidal communities. In: The Gulf of Alaska: Physical Environment and Biological Resources. D. W. Hood and S. T. Zimmerman, Eds. National Technical Information

Service, Springfield, Virginia. pp. 305-344.

Orsi, J.A. and J.W. Short. 1987. Modifications in electrical anesthesia for salmonids. *Prog. Fish. Cult.* 49: 144-146.

Shirley, S.M., T.C. Shirley, and S.D. Rice. 1987. Latitudinal variation in the Dungeness crab *Cancer magister*: zoeal morphology explained by incubation temperature. *Mar. Biol.* 95(3):371-376.

Thomas, R.E., J.A. Gharrett, M.G. Carls, S.D. Rice, A. Moles, and S. Korn. 1986. Effects of fluctuating temperature on mortality, stress, and energy reserves of juvenile coho salmon. *Trans. Am. Fish. Soc.* 115(1):52-59.

Rice, S.D., C. Brodersen, and P.J. Arasmith. 1985. Feeding rates, molting success, and survival of juvenile red king crabs at different temperatures. pp. 187-191. In Proceedings of the International King Crab Symp., Anchorage, AK.

Thomas, R.E., J.A. Gharrett, M.G. Carls, and S.D. Rice. 1985. Plasma cortisol and glucose, and liver glycogen levels in starved and fed juvenile coho salmon *Oncorhynchus kisutch* in constant and daily fluctuating temperatures. *Can. Tech. Rep. Fish. Aquat. Sci.* 1368:301-303.

Moles, A. and J. J. Pella. 1984. Effects of parasitism and temperature on salinity tolerance of kelp shrimp *Eualis suckleyi*. *Trans. Amer. Fish. Soc.* 113: 354-359.

Murphy, M. L. 1984. Primary production and grazing in freshwater and intertidal reaches of a coastal stream, Southeast Alaska. *Limnol. Oceanogr.* 29(4):805-815.

Moles, A. 1983. Effect of parasitism by mussel glochidia on growth of coho salmon. *Trans. Amer. Fish. Soc.* 112: 201-204.

Moles, A. 1982. Parasite-host records of Alaskan fishes. NOAA Technical Report: NMFS SSRF-760, 41 p.

Johnson, S. W. 1981. *Daphnia magna* and fish processing wastes as supplemental feeds for juvenile salmonids in wastewater aquaculture. M.S. Thesis, Humboldt State University, Arcata, CA. 68 p.

O'Clair, C. E. 1981. Disturbance and diversity in a boreal marine community: the role of intertidal scouring by sea ice. In *The Eastern Bering Sea Shelf: Oceanography and Resources*, Vol. 2. D. W. Hood and J. A. Calder, Eds. University of Washington Press, Seattle. pp. 1105-1130.

Bailey, J.E., S.D. Rice, J.J. Pella, and S.G. Taylor. 1980. Effects of seeding density of pink salmon *Oncorhynchus gorbuscha* eggs on water chemistry, fry characteristics, and fry

survival in gravel incubators. Fish. Bull. 78(3):649-658.

Rice, S.D., and J. Bailey. 1980. Survival, size and emergence of pink salmon *Oncorhynchus gorbuscha* alevins after short- and long-term exposures to ammonia. Fish. Bull. 78(3):641-648.

Rice, S.D., and J.E. Bailey. 1980. Ammonia concentrations in pink salmon *Oncorhynchus gorbuscha* redds of Sashin Creek, southeastern Alaska. Fish. Bull. 78(3):809-811.

Rice, S.D., and R.M. Stokes. 1975. Acute toxicity of ammonia to several developmental stages of rainbow trout *Salmo gairdneri*. Fish. Bull., U.S. 73(1):207-211.

Rice, S.D., and R.M. Stokes. 1974. Metabolism of nitrogenous wastes in the eggs and alevins of rainbow trout *Salmo gairdneri Richardson*. In The Early life History of Fish (Edited by J.H.S. Blaxter), pp. 325-337. Proceedings of an international symposium held at the Dunstaffnage Marine Research Laboratory of the Scottish Marine Biological Association at Oban, Scotland. Springer-Verlag, New York.

Gesinski, R.M., S.D. Rice, R. Parker, T.C. Poder, S.R. McClelland, and R.L. DeCarlo. 1974. Effects of potato beetle hemolymph injections on physiological responses in the albino rat. Ohio J. Sc. 74:145-150

Rice, S.D. 1971. A study of nitrogen waste product metabolism in the eggs and fry of rainbow trout *Salmo gairdneri*. Ph.D. Thesis, Kent State University, Kent, Ohio.